Cloud Shift Improves Service Delivery

CAPABILITIES SHOWN

Application Modernization

Accelerated DevSecOps

Cloud Transformation

Kubernetes Service

Agile Services

ABOUT THE COMPANY

Navitas Business Consulting is an award-winning, woman and minority-owned, SBA 8(a) certified IT Consulting & Solutions Company. We value passion, integrity, commitment, and collaboration, provide the perfect combination of technology, people, innovation, and expertise, and are committed to helping you improve speed, achieve desired outcomes, and reduce costs. Our core capabilities include multi-cloud enablement, digital transformation, and data and intelligence.

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CUSTOMER CHALLENGE

The Solution Delivery department of a large federal agency provides services to a large and diverse user base that requires customer-centric support and delivery. The transformation to a digital government by implementing cloud services was no longer an option; it was imperative to meet the customer's mission objectives. The Agency needed to build a cloud-based service solution to support the migrations, modernizations, refactoring, and operations and maintenance for all cloud-integrated services based on Agile methodologies. To reduce costs, legacy IT components needed to be replaced and the entire infrastructure would be modernized to a cloud-based environment.

NAVITAS SOLUTION

Navitas developed strategic plans and roadmaps to meet emerging program and data integration needs. Our team performed trade-off analysis, including analysis of alternatives, cost-benefit analysis, the total cost of ownership and usage, and technical tradeoffs to define the target state architecture. We began migrating workloads from an on-premises data center to a secure hybrid cloud environment that meets federal security compliance requirements and runs on top of industry-provided infrastructure through AWS and Azure. This platform enabled expedited development and deployment of cloud applications — helping to accelerate and secure government modernization efforts. We introduced innovative technologies, including containers, continuous integration/continuous deployment (CI/CD) pipelines, microservices, and advanced analytics. We continue to refactor databases, data access code, application code, and application architecture to eliminate dependencies on aging hardware and proprietary software.

We used Agile methodology and collaborative engineering with frequent small releases, supported by a full CI/CD pipeline and integration of security. Our team managed requirements by creating and refining epics, identifying, and grooming user stories, and maintaining a traceability matrix across Sprints and Releases with Product and Release backlog. To meet ATO requirements, we used our knowledge and experience to achieve FISMA-High for the new cloud environment in just four months, allowing the Agency to use cloud computing capabilities to meet mission demands.

THE BENEFITS

15%
decrease in the Agency's overall implementation timeline

25%
reduction in the total cost of ownership with pay-as-you-go pricing

15%
increase in self-service containment rate

99.999%
availability with zero down-time